

Channel Study

REFERENCE		CH# 240D - 95.9 MHz, Pwr= 0.019 kW, HAAT=337.4M, COR= 429 M										DISPLAY DATES	
45 30 58 N.		Average Protected F(50-50)= 12.6 km										DATA	01-04-07
122 43 59 W.		Ave. F(50-10) 40 dBu= 42.2 54 dBu= 18.4 80 dBu= 2.7 100 dBu= .3										SEARCH	01-04-07
CH	CALL	TYPE	STATE	AZI.	DIST	LAT.	Pwr(kW)	COR(M)	PRO(km)	*IN*	*OUT*		
CITY				<--	FILE #	LNG.	HAAT(M)	INT(km)	LICENSEE	(Overlap	in km)		
238C	KXJM	LIC	CY	135.2	4.27	45 29 20	100.000	480	69.1	-17.72*	-65.14*		
Portland		OR		315.2	BLH19980901KC	122 41 40	260	9.4	Rose City Radio Corporatio				
240D	K240CZ	CP	C	273.8	6.05	45 31 11	0.099	78	5.6	-25.43*	-43.19		
Tigard		OR		93.8	BMPFT20041021ACX	122 48 37	-59	18.5	Educational Media Foundati				
240D	K240DA	APP	DV	70.3	69.97	45 43 27	0.003	326	2.3	49.72	23.55		
Stevenson		WA		250.9	BMPFT20061218ADA	121 53 11	-352	7.2	Louis A. De Sitter				
240A	KIXT	LIC	CX	267.0	92.93	45 27 59	0.450	461	28.8	-2.47	20.31		
Bay City		OR		86.2	BLH20050908ABX	123 55 11	373	82.4	Alexandra Communications,				
242D	K242AF	LIC	C	115.4	15.89	45 27 17	0.034	358	12.4	2.88	3.19		
Portland		OR		295.6	BLFT20031112AGM	122 32 58	247	0.4	Educational Media Foundati				
240D	K240DA	CP	DV	79.0	80.32	45 38 56	0.004	1542	10.7	23.73	26.06		
Stevenson		WA		259.7	BNPFT20030825AER	121 43 17	707	43.6	Louis A. De Sitter				
241C	KXXO	LIC	CY	9.3	126.09	46 38 07	85.000	1205	101.8	-34.81	4.96		
Olympia		WA		189.5	BLH19900308KB	122 28 01	927	147.8	3 Cities, Inc.				
243D	AP6464	APP	C	6.3	29.11	45 46 35	0.050	176	9.3	15.58	19.48		
Ridgefield		WA		186.4	BNPFT20030313AAW	122 41 30	115	0.5	Walla Walla College				
240D	K240DR	CP	C	311.2	113.99	46 11 05	0.075	132	7.5	77.36	67.83		
Astoria		OR		130.4	BMPFT20060906AAA	123 50 45	61	25.0	Oregon Public Broadcasting				
242D	K242AB	LIC	CN	200.4	67.98	44 56 33	0.250	84	8.7	53.97	58.92		
Salem		OR		20.1	BLFT19921120TD	123 02 01	45	1.1	Citicasters Licenses, L.p.				
241C	KZEL-F	LIC	EN	190.2	171.00	44 00 05	100.000	525	78.8	41.18	73.17		
Eugene		OR		10.0	BLH19900321KB	123 06 48	388	116.9	Cumulus Licensing Llc				

Terrain database is NGDC 30 SEC

ERP and HAAT on direct-line with reference station.

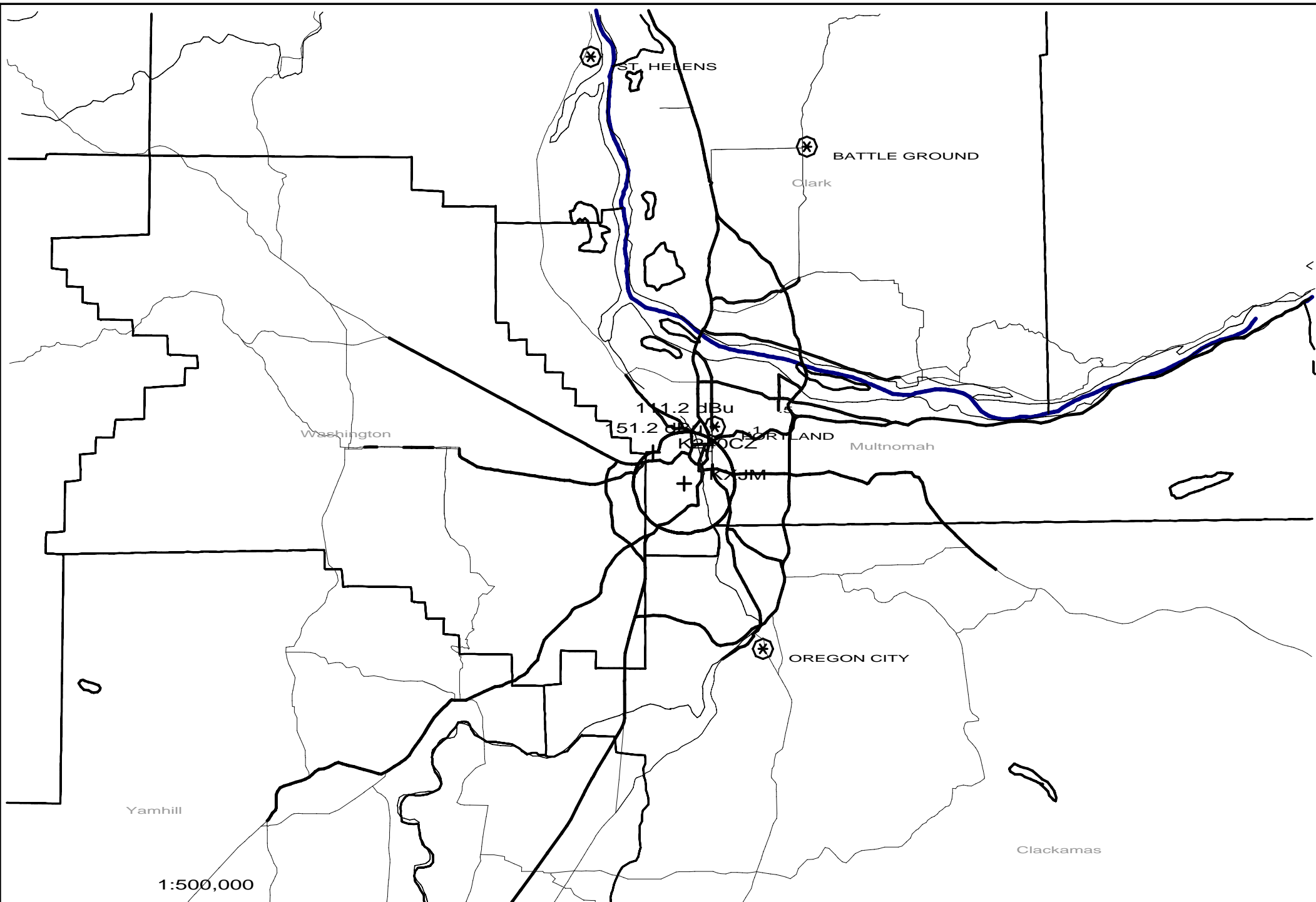
***affixed to 'IN' or 'Out' values = site inside protected contour.

Compliance with C.F.R. 74.1204

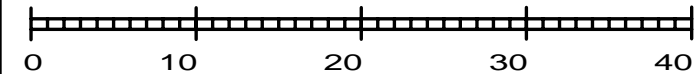
The proposed FM Translator is located within the protected 60 dBu contour of second adjacent channel station KXJM, channel 238C, Portland, OR. The predicted F(50-50) field strength of KXJM at the proposed translator site is 111.2 dBu, (see Exhibit 12A-1). Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 151.2 dBu. This interfering contour extends approximately 0.8 meters from the proposed transmit antenna, and the area of overlap does not reach the ground (the antenna will be mounted at the 106 meter level on a 302 meter tower).

To confirm the absence of population within the interference aperture, EMF has examined the attached topographic map (see Exhibit 12A-2), which indicates a lack of structures near the proposed tower, and therefore no structure which could be tall enough to enter the 0.8 meter interference aperture.

Therefore, EMF respectfully requests a waiver of C.F.R 74.1204 based on no population within the area of predicted interference.



Scale in km



K240CZ 240D .019kW 429M AMSL

N. Lat. 45 30 58 W. Lng. 122 43 59

K240CZ vs. KXJM

EMF - 1/4



0 0.3 0.6 0.9 1.2 1.5 km
0 0.2 0.4 0.6 0.8 1 mi

Map center is 45° 30' 58"N, 122° 43' 59"W (NAD27)

Portland quadrangle

Projection is UTM Zone 10 NAD83 Datum

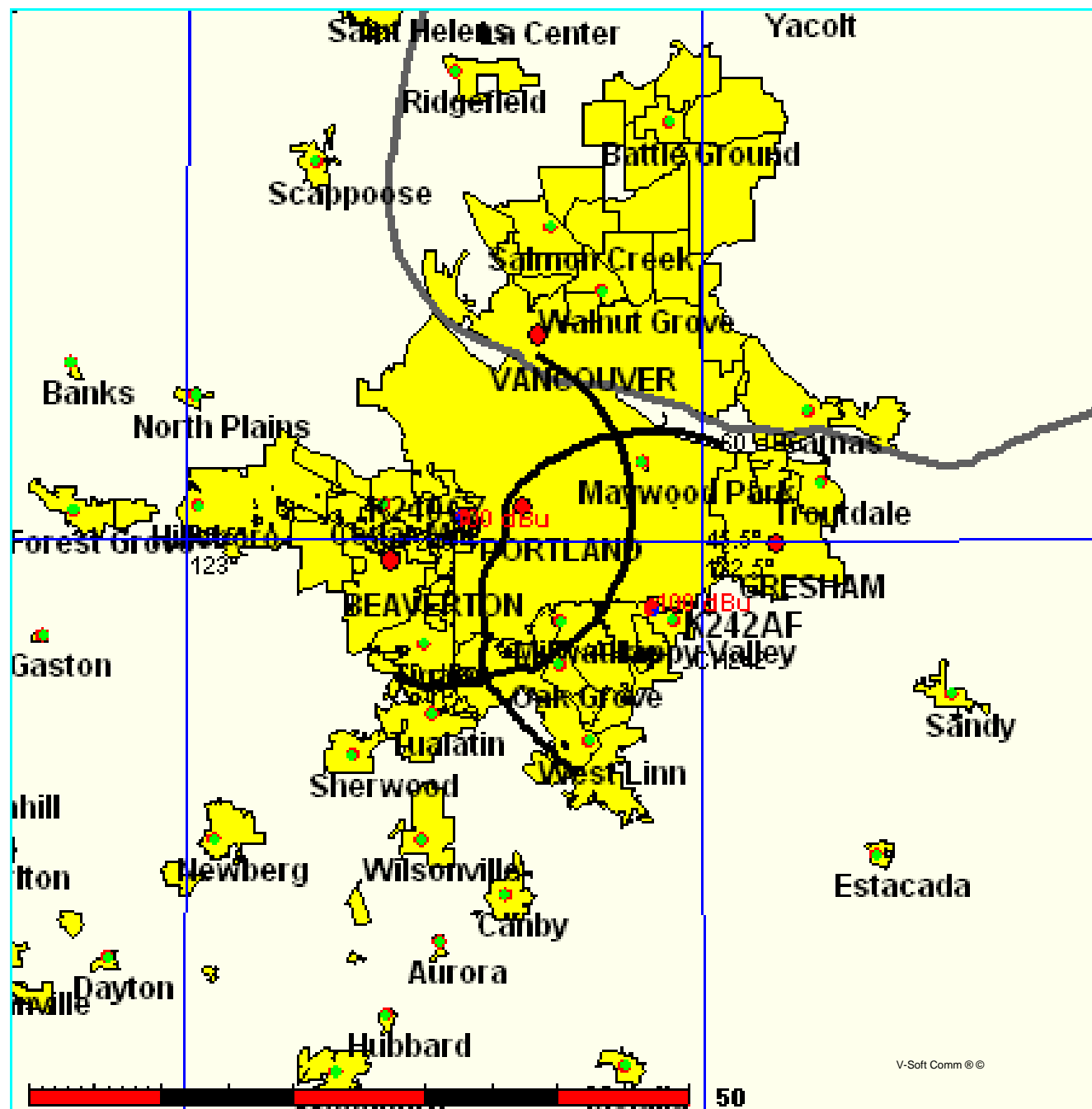
M
G
M=17.526
G=0.19

FMCommander Allocation Study
1-4-2007

K240CZ CH 240 D
0.019 kW 429 M COR
Prot. = 60 dBu
Intef. = 100 dBu

K242AF CH 242 D BLFT20031112AGM
0.034 kW, 358 M COR
Prot. = 60 dBu
Intef. = 100 dBu

Scale = 1:750,000



FMCommander Allocation Study
1-4-2007

K240CZ CH 240 D
0.019 kW 429 M COR
Prot. = 60 dBu
Intef. = 54 dBu

KXXO CH 241 C BLH19900308KB
85.0 kW, 1205 M COR
Prot. = 60 dBu
Intef. = 54 dBu

Scale = 1:3,000,000

